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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/992,820      | 11/14/2001  | Lloyd Nolan          | 392-41              | 5819             |

7590 12/30/2004

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| EXAMINER |
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CHUNG, JI YONG DAVID

| ART UNIT | PAPER NUMBER |
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2143

DATE MAILED: 12/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                      |                                     |  |
|------------------------------|--------------------------------------|-------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>09/992,820 | <b>Applicant(s)</b><br>NOLAN, LLOYD |  |
|                              | <b>Examiner</b><br>Ji-Yong D. Chung  | <b>Art Unit</b><br>2143             |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 2/27/02.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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## **DETAILED ACTION**

### ***Specification***

1. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

(a) TITLE OF THE INVENTION.

(b) CROSS-REFERENCE TO RELATED APPLICATIONS.

(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR  
DEVELOPMENT.

(d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A  
COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program  
listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables  
having more than 50 pages of text are permitted to be submitted on compact  
discs.) or

REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a).

"Microfiche Appendices" were accepted by the Office until March 1, 2001.)

(e) BACKGROUND OF THE INVENTION.

(1) Field of the Invention.

(2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.

(f) BRIEF SUMMARY OF THE INVENTION.

(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).

(h) DETAILED DESCRIPTION OF THE INVENTION.

(i) CLAIM OR CLAIMS (commencing on a separate sheet).

(j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).

(k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

2. The disclosure is objected to because of the following informalities: The specification contains many grammatical errors. For example, lines 16-18, page 1, see "It is essential that changes to the project status whether overall or to a single task be controlled and noted centrally, to eliminate the possibility of parallel and or conflicting modifications being made by two independent resources."

Appropriate corrections are required.

### ***Claim Objections***

3. **Claims 1-8** are objected to because of the following informalities:

**Claim 1** cites “datastore” and “dataword” on numerous lines. “Datastore” and “dataword” are not terms of the art nor do they exist in the English vocabulary.

**Claims 2-5** depend on claim 1, and therefore, are objected to for the same reason.

**Claims 6-8** share the same defect as claim 1.

Appropriate corrections are required.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claims 1-8** are rejected under 35 U.S.C. 102(e)(2) as being anticipated by Dardinski et al (Dardinski hereafter).

With regard to **claim 1**, Dardinski discloses *a resource version control facility* [see Fig. 45] *for use in a distributed computer system of the type having*

*a central project parameter datastore for storing project parameter data* [Offline Database, Fig. 45],

*a local server* [Server 16, Fig. 1] *communicating with the datastore having receiving means for receiving and validating a data access request from at least one project management workstation* [workstation 11, Fig. 1] *connected to the local server*

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[the local server is connected to the client workstation by the Internet 100, Fig 1] wherein the receiving means comprises

*means for extracting a resource type and user identifier from the data access request by reading at least one position dependent data segment from the data access request* [See lines 24-27, column 64 for Access Control List. The use of ACL entails copying the user id and resource identifier to memory for comparison with the control list. The resource security in Dardinski is handled via ACL.],

*means for validating the data access request* [See lines 24-27, column 64 for ACL. ACL is security feature that validates user accesses to any resource in an operating system.] *by comparing a composite dataword provided by the identified resource type and the user identifier against equivalent length datawords contained in a secure memory array of valid composite datawords* [The function of ACL is to check a user access request for a particular object, based on the user id and the object reference, is against access lists stored in stable memory. See the lines 12-45, column 64] and

*means for retrieving a resource data block* [database, Fig. 45, retrieves data] *and attached resource status register* [the state of an object in memory] *associated with the validated data access request,*

*accessing the resource status register to isolate a data portion containing a version identifier associated with the resource data block*

[See lines 49-52, column 53, which indicates objectID serves as version

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“identifier.” Note that when a new version of the object is made, the system must “access” objectID, to change it to reflect the new version. Also, note that an object reference could be used, rather than the objectID. See lines 49-52, column 53],

*transmitting a copy of the resource data block to the amendment workstation* [database, Fig. 45, is comprises means for transmitting data]  
*locking the resource data block by setting a write protection bit in the resource status register* [See lines 1-8, column 53. See Revision Editor, lines 40-45, column 54] and

*generating a replacement data block in the central datastore*  
[When the client performs the check-in, the original objects that are checked-out are “replaced” or updated, see lines 18-24, column 52].

With regard to **claim 2**, Dardinski discloses *means for detecting the presence of a replacement resource data block in the central datastore associated with a validated data access request from a amendment workstation and transmitting the replacement resource data block to the amendment workstation*. See the description of the Revision Editor, lines 40-39-47, column 47. The Revision Editor can detect and display (which entails the downloading of information related to the requested objects) the new versions of objects stored in the database.

With regard to **claim 3**, Dardinski discloses the receiving means comprising:

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*means for identifying the code type and the data access request as a code return request by comparing a position dependent data segment from the data access request against a plurality of data access request types stored in a secure code type memory array* [Revision Editor (referenced on line 39, column 54) when used, knows the type of data access, that is, whether it is check-in or check-out) that has been made by a user, and therefore has “mean for identifying code type.”].

*means for retrieving the replacement resource data block from the central datastore and validating the code return request by comparing portion of the identified code type, the identified version identifier and the user identifier of the code return request against the version identifier and user identifier stored in the replacement resource data block.* The Revision Editor initiates the retrieval of replacement data block via the use of database, for either check-out or check-in. See lines 14-50, column 55. Dardinski’s discloses using user id for validation, lines 32-34, column 64].

With regard to **claim 4**, Dardinski discloses

*means for identifying the code type of the data access request as a code regression request by comparing a position dependent data segment from the data access request against a plurality of data access request types stored in a secure code type memory array.* [See Rollback, lines 3-18. column 62. As noted for claim 3, the identification of the command entails a comparison of the user-inputted command against the representations of various possible commands]



*means for retrieving a resource data block associated with the code regression request and the code difference file [The rollback will retrieve the requested, previous version of the object, see lines 3-18, column 62] and*

*means for sequentially reading each portion of the code difference file, locating an associated portion of the retrieved resource data block for each read portion and substituting the read portion of the code difference file for the associated portion of the retrieved resource data block, decrementing the version identifier associated with the retrieved resource data block and storing the resource data block.* The limitation is met by Macro Playback feature, lines 39-60, column 61. The Macro Playback will read each “difference files” (databases in Dardinski) and restore each version, forward or backward.

With regard to **claim 5**, Dardinski discloses

*means for identifying the code type of the data access request as a code create request by comparing a position dependent data segment from the data access request against a plurality of data access request types stored in a secure code type memory array [This limitation is a general form of the first limitation that has been discussed with respect to claim 3 above, and therefore, in effect, already has been addressed] and*

*means for creating a version identifier for a resource data block associated with the code create request and storing the resource data block, resource status register containing an associated version identifier on the central datastore.* Fig. 46 shows creating new version identifier (2.0 in the figure). Databases (“central store”) store different states (“versions”) of an

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object. See lines 33-39, column 53. Revision Editor screen, Fig. 48, illustrates version no of the object "PID" in memory ("resource status register")]

**Claims 6-8** cite all the corresponding limitations of claims 1-5. The reasons for the rejections of claims 1-5 apply to claims 6-8, and therefore, the claims 6-8 are rejected for the same reasons.

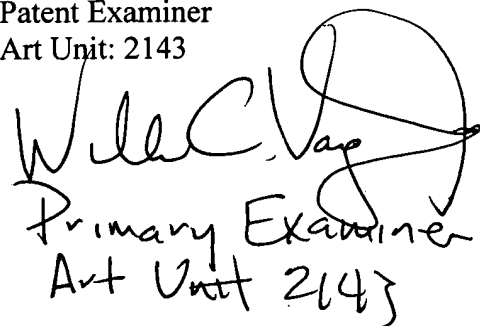
***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ji-Yong D. Chung whose telephone number is (571) 272-7988. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ji-Yong D. Chung  
Patent Examiner  
Art Unit: 2143

  
Primary Examiner  
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